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Mark



217/782-6782

Refer to: 1188488888 -- Madison County
Granite City/Reilly Tar and Chemical Corporation
Permit No. 1983-1-OP-EXP

January 8, 1985

Reilly Tar and Chemical Corporation
151 North Delaware Street
Suite 151B
Indianapolis, Indiana 46204

Gentlemen:

Experimental Permit is hereby granted to Reilly Tar and Chemical Corporation to operate a solid waste management facility to store on site generated hazardous waste in surface impoundments and in waste piles located on 37 acres in the SW 1/4 of the SE 1/4 of Section 19, Township 3 N., Range 9 W. of the 3rd Principal Meridian, Madison County, Illinois, all in accordance with the application and plans prepared by Don Breeding, P.E.: (1) Said application dated October 8, 1982, consisting of 17 pages, two plan sheets, contingency plan and hydrogeological investigation, and received by the Agency on October 12, 1982, groundwater sample analyses and a revised plan sheet received by the Agency on November 17, 1982, and a four page letter dated November 28, 1982 and received by the Agency on November 29, 1982. (2) Also, in accordance with the request for an operating permit dated October 15, 1984, and received on the Agency October 17, 1984.


This permit is issued subject to the standard conditions attached hereto and incorporated herein by reference and further subject to the following special conditions:

1. This Experimental Operating Permit will expire January 8, 1986 or when the effluent from the Reilly Tar industrial wastewater pretreatment works is discharged into sewers tributary to the Granite City Sewage Treatment Plant, whichever is sooner.
2. This permit allows for the operation of facilities to store on site generated wastes only.
3. Your groundwater monitoring program is hereby approved in accordance with Attachment A. This approval does not affect any additional responsibilities required of your facility under 35 Ill. Adm. Code, Subtitle 6, Part 725, Subpart F.
4. This Agency reserves the right to require installation of additional monitoring devices, to alter the selection of parameters to be analyzed and to alter monitoring frequencies as may be necessary to fulfill the intent of the Environmental Protection Act.

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5. This permit is subject to review and modification by the Agency as deemed necessary to fulfill the intent and purpose of the Environmental Protection Act, and all applicable environmental rules and regulations.
6. This permit is issued with the expressed understanding that no process or contaminated storm water discharge to Waters of the State or to a sanitary sewer will occur from these facilities. If such discharge occurs, additional or alternate facilities shall be provided. The construction of such additional or alternate facilities may not be started until a permit for their construction has been issued by this Agency.
7. Any modification to the facility, treatment process, types or classes of wastes handled shall be the subject of an application for supplemental permit for site modification to this Agency.

Very truly yours,


Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:RIM:jab/23790/53-54

Attachment

cc: DMLPC - Attn: Tim Kluge
Southern Region
Compliance - Attn: Kenn Liss
Division File
R.C. Mulvey

**STANDARD CONDITIONS FOR CONSTRUCTION/DEVELOPMENT PERMITS
ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY**

July 1, 1979

The Illinois Environmental Protection Act (Illinois Revised Statutes, Chapter 111-1/2, Section 1039) grants the Environmental Protection Agency authority to impose conditions on permits which it issues.

These standard conditions shall apply to all permits which the Agency issues for construction or development projects which require permits under the Divisions of Water Pollution Control, Air Pollution Control, Public Water Supplies, and Land and Noise Pollution Control. Special conditions may also be imposed by the separate divisions in addition to these standard conditions.

1. Unless this permit has been extended or it has been voided by a newly issued permit, this permit will expire one year after date of issuance unless construction or development on this project has started on or prior to that date.
2. The construction or development of facilities covered by this permit shall be done in compliance with applicable provisions of Federal laws and regulations, the Illinois Environmental Protection Act, and Rules and Regulations adopted by the Illinois Pollution Control Board.
3. There shall be no deviations from the approved plans and specifications unless a written request for modification of the project, along with plans and specifications as required, shall have been submitted to the Agency and a supplemental written permit issued.
4. The permittee shall allow any agent duly authorized by the Agency upon the presentation of credentials:
 - a. to enter at reasonable times the permittee's premises where actual or potential effluent, emission or noise sources are located or where any activity is to be conducted pursuant to this permit.
 - b. to have access to and copy at reasonable times any records required to be kept under the terms and conditions of this permit.
 - c. to inspect at reasonable times, including during any hours of operation of equipment constructed or operated under this permit, such equipment or monitoring methodology or equipment required to be kept, used, operated, calibrated and maintained under this permit.

- d. to obtain and remove at reasonable times samples of any discharge or emission of pollutants.
 - e. To enter at reasonable times and utilize any photographic, recording, testing, monitoring or other equipment for the purpose of preserving, testing, monitoring, or recording any activity, discharge, or emission authorized by this permit.
5. The issuance of this permit:
- a. shall not be considered as in any manner affecting the title of the premises upon which the permitted facilities are to be located;
 - b. does not release the permittee from any liability for damage to person or property caused by or resulting from the construction, maintenance, or operation of the proposed facilities;
 - c. does not release the permittee from compliance with other applicable statutes and regulations of the United States, of the State of Illinois, or with applicable local laws, ordinances and regulations;
 - d. does not take into consideration or attest to the structural stability of any units or parts of the project;
 - e. in no manner implies or suggests that the Agency (or its officers, agents or employees) assumes any liability, directly or indirectly, for any loss due to damage, installation, maintenance, or operation of the proposed equipment or facility.
6. Unless a joint construction/operation permit has been issued, a permit for operating shall be obtained from the Agency before the facility or equipment covered by this permit is placed into operation.
7. These standard conditions shall prevail unless modified by special conditions.
8. The Agency may file a complaint with the Board for modification, suspension or revocation of a permit:
- a. upon discovery that the permit application contained misrepresentations, misinformation or false statements or that all relevant facts were not disclosed; or
 - b. upon finding that any standard or special conditions have been violated; or
 - c. upon any violation of the Environmental Protection Act or any Rule or Regulation effective thereunder as a result of the construction or development authorized by this permit.

Refer to: Site No. 1190400006
Permit No. 1983-1-07-EXP

**ATTACHMENT A
WATER MONITORING PROGRAM**

1. Monitoring points shall be installed at the following locations and shall be referenced as the Agency designation:

Boring Number	Agency Designation
W-1, W-2, W-4, W-7	E-101, E-102, E-106, E-107

2. Upon installation of all monitoring points, as-built diagrams shall be submitted to the Permit Section.
3. All borings not utilized as monitoring points in the Agency approved groundwater monitoring program shall be backfilled with concrete or a bentonite and soil mix.
4. The annular space (the space between the bore hole and the well casing) for a distance of 2 feet above the top of the screen must be sealed with a suitable material. (e.g., cement grout or bentonite slurry) to prevent contamination of samples and the groundwater. Above this, boring cuttings shall be backfilled to within 2 feet of the surface. A concrete plug shall be placed from two feet to the surface.
5. The portion of the well casing, extending above the ground surface, must be protected so that it cannot be damaged or tampered with.
6. Wells shall be easily visible and identified with Agency monitoring point designation.
7. All monitoring points shall be maintained such that a sample may be obtained.
8. For sites accepting hazardous waste, the concentrations or value of the following parameters in the groundwater samples shall be sampled and analyzed quarterly during the first year.

Alkalinity, as CaCO ₃	Ammonia, as N
Arsenic (As)	Barium (Ba)
Boron (B)	Cadmium (Cd)
Calcium (Ca)	Chloride (Cl)
Chromium (Cr) (total)	Cyanide (CN)
✓ CDD 00325	✓ Copper (Cu)
Fecal coliform 31616	Fluoride (F)
Hardness, as CaCO ₃	Iron (Fe)
Lead (Pb)	Magnesium (Mg)
Manganese (Mn)	Mercury (Hg)
Nickel (Ni)	Nitrate-Nitrite (N)
✓ pH	Phenolics
Potassium (K)	R.O.E. (1800C)

Selenium (Se)	Silver (Ag)
Sodium (Na)	Sulfate (SO ₄)
Zinc (Zn)	Endrin
Gross Alpha	Gross Beta
Lindane	Methoxychlor
Radium	*Total Organic Carbon (TOC)
*Total Organic Halogen (TOX)	Toxaphene
2,4-D	2,4-5,2 (Silvex)
	*Specific Conductance (SC)

*Denotes four replicate measurements required

9. a. Elevation of the groundwater surface at each monitoring well must be determined each time a sample is obtained. This determination is to be made prior to any water being withdrawn from the monitor well.
 - h. The temperature of the groundwater sample is to be determined and reported each time a sample is obtained.
 - c. The height of the stick-up, as measured from ground level, and the depth to the bottom of the well, as measured from the top of the stick-up, is to be determined and reported each time a sample is obtained.
10. After the first year, each monitoring point must be sampled quarterly and the samples analyzed for parameters as may be required for your facility to be in compliance with 35 Ill. Adm. Code, Subtitle 8, Part 725, Subpart F.
 11. The schedule for submission of quarterly water monitoring results is as follows:

15th of January
15th of April
15th of July
15th of October
 12. All certifications, logs, or reports which are required to be submitted to the Agency by the permittee should be mailed to the following address:

Illinois Environmental Protection Agency
Compliance Monitoring Section
Compliance Assurance Unit
2200 Churchill Road
Springfield, Illinois 62706